PATENT Attorney Docket No. 00819-03 prés

N THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Kenneth D. Ervin, et al. } Customer No. 34444

Serial No. 10/526,296 Art Unit: 1725

Filing Date: March 1, 2005 Examiner: Michael Aboagye

Title: Method for Manufacture of Truss Core Sandwich Structures and Related

Structures Thereof

Certificate of Mailing Under 37 CFR §1.8

I hereby certify that this correspondence is being deposited with the United States Postal Service using First Class Service under 37 C.F.R. §1.8 on the date indicated below and is addressed to Commissioner for Patents, PO Box 1450, Alexandria, VA 22313-1450.

Date: May 25, 2007

TRANSMITTAL OF INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. §1.97(b)(3)

Commissioner for Patents PO Box 1450 Alexandria, VA 22313-1450

Sir:

Submitted herewith please find an Information Disclosure Statement for the above identified application, consisting of Form PTO/SB/08A referencing 125 U.S. patents and one (1) foreign patent; and Form PTO/SB/08B with copies of 21 references. The Information Disclosure Statement is being filed before the mailing date of a first Office Action on the merits per 37 C.F.R. §1.97(b)(3).

Applicants respectfully submit that the filing of this Information Disclosure Statement is not a representation that a prior art search was conducted or that the information cited is material to the patentability of the invention as defined in 37 CFR §1.56, or that any cited document is prior art. Applicants request that the Examiner consider the references, determine their relevance to the present application, if any, and list the references on the face of any patent which may issue from the present application. Applicants further request that an initialed copy of Forms PTO/SB/08A and PTO/SB/08B be returned to applicants.

No fees are believed to be due for this submission. If this belief is in error, the Commissioner is hereby authorized to charge any fees due for this submission to Deposit Account No. 50-0423, as well as credit any refunds.

Respectfully submitted,

May 25, 2007

Robert J. Decker

Registration No. 44,056

University of Virginia Patent Foundation 250 West Main Street, Suite 300 Charlottesville, VA 22902

Telephone: (434) 924-2640

Fax: (434) 924-2493

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29 2007	ubstitu	te for form 1	449A/PTO	Application Number	10/526,296		
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(4114)	Use as ma	any sheets a	as necessary)	Examiner Name	Michael Aboagye		
Shee	et 1	of	7	Attorney Docket No.	00819-03		
				. PATENT DOCUM	ENTS		
xaminer	Cite		cument Number	Publication Date	Name of Patentee or	Pages, Columns, Lines, WI	
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	1	US -	7211348	5/1/2007	Wadley	Entire document	
	2	US -	6740381	5/25/2004	Day	Entire document	
	3	US -	6739104	5/25/2004	Tokonabe	Entire document	
	4	US -	6684943	2/3/2004	Dobbs	Entire document	
	5	US -	6676797	1/13/2004	Tippett	Entire document	
	6	US -	6644535	11/11/2003	Wallach	Entire document	
	7	US -	6579811	6/17/2003	Narwankar	Entire document	
	8	US -	6284346	9/4/2001	Sheridan	Entire document	
	. 9	US -	6228744	5/8/2001	Levine	Entire document	
	10	US -	6207256	3/27/2001	Tashiro	Entire document	
	11	US -	6204200	3/20/2001	Shieh	Entire document	
	12	US -	6200664	3/13/2001	Figge	Entire document	
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	15	US -	6175495	1/16/2001	Batchelder	Entire document	
	16	US -	6170560	1/9/2001	Daily	Entire document	
	17	US -	6082443	7/4/2000	Yamamoto	Entire document	
•	18	US -	6080495	6/27/2000	Wright	Entire document	
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xaminer nitials*	Cite No. <sup>1</sup>		gn Patent Document ode <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup>	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	т'
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	Substitu	te for form 1	449A/PTO	Application Number	10/526,296	
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ST	ATEME	NT BY	APPLICANT	Art Unit	1725	
	(Use as ma	any sheets a	as necessary)	Examiner Name	Michael Aboagye	
Shee	et 2	of	7	Attorney Docket No.	00819-03	
			U. S	PATENT DOCUM	ENTS	
Examiner	Cite	Doc	ument Number	Publication Date	Name of Patentee or	Pages, Columns, Lines, Where
Initials*	No. 1	Numbe	r-Kind Code <sup>2</sup> (if known)	MM-DD-YYYY	Applicant of Cited Document	Relevant Passages or Relevant Figures Appear
	19	US -	6077370	6/20/2000	Solvstev	Entire document
	20	US-	6076324	6/20/2000	Daily	Entire document
	21	US-	6003591	12/21/1999	Campbell	Entire document
	22	US -	5972468	10/26/1999	Welch	Entire document
	23	US -	5972146	10/26/1999	Fantino	Entire document
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	25	US -	5962150	10/5/1999	Priluck	Entire document
	26	US -	5943543	8/24/1999	Uchida	Entire document
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	34	US -	5772821	6/30/1998	Yasui	Entire document
	35	us -	5771488	6/30/1998	Honkala	Entire document
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	Substitut	te for form	1449A/PTO	Application Number	10/526,296		
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INF	ORMA	TION D	ISCLOSURE	First Named Inventor	Kenneth D. Ervin		
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. (	Use as ma	any sheets	as necessary)	Examiner Name	Michael Aboagye		
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	37	US -	5698282	12/16/1997	DeMeyer	Entire document	
	38	US -	5679467	10/21/1997	Priluck	Entire document	
	39	US -	5677029	10/14/1997	Prevorsek	Entire document	
	40	US -	5673571	10/7/1997	Moss	Entire document	
	41	US-	5656984	8/12/1997	Paradis	Entire document	
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	45	US-	5605628	2/25/1997	Davidson	Entire document	
	46	US-	5598632	2/4/1997	Camarda	Entire document	
	47	US -	5591162	1/7/1997	Fletcher	Entire document	
	48	US-	5547737	8/20/1996	Evans	Entire document	
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	54	US -	5472769	12/5/1995	Goerz	Entire document	
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Examiner	Cite	Forei	gn Patent Document	Publication Date	Name of Patentee or	Pages, Columns, Lines, Where	
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	55	US -	5471905	12/5/1995	Martin	Entire document
	56	US-	5465760	11/14/1995	Mohamed	Entire document
	57	US -	5455096	- 10/3/1995	Toni	Entire document
	58	US -	5431800	7/11/1995	Kirchhoff	Entire document
	59	US -	5424139	6/13/1995	Shuler	Entire document
	60	US -	5417686	5/23/1995	Peterson	Entire document
	61	US -	5401583	3/28/1995	Stacher	Entire document
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	67	US -	5282861	2/1/1994	Kaplan	Entire document
	68	US -	5266279	11/30/1993	Haerle	Entire document
	69	US -	5224519	7/6/1993	Farley	Entire document
	70	US -	5219020	6/15/1993	Akachi	Entire document
	71	US -	5217770	6/8/1993	Morris ,	Entire document
	72	us -	5190539	3/2/1993	Fletcher	Entire document

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	73	US -	5181549	1/26/1993	Shapovalov	Entire document
	74	US -	5179043	1/12/1993	Weichold	Entire document
	75	US -	5176641	1/5/1993	Idriss	Entire document
	76	US -	5137058	8/11/1992	Anahara	Entire document
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	85	US -	4923544	5/8/1990	Weisse	Entire document
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	87	US -	4916027	4/10/1990	Delmundo	Entire document
	88	US -	4883116	11/28/1989	Seidenberg	Entire document
	89	US -	4859541	8/22/1989	Maxeiner	Entire document
	90	US -	4819719	4/11/1989	Grote	Entire document
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77			U. S	. PATENT DOCUM	ENTS	
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nitials*	No. <sup>1</sup>	Numbe	r-Kind Code <sup>2</sup> (if known)	MM-DD-YYYY	Applicant of Cited Document	Relevant Passages or Relevant Figures Appear
	91	US -	4765396	8/23/1988	Seidenberg	Entire document
	92	US -	4758299	7/19/1988	Burke	Entire document
	93	US -	4756943	7/12/1988	Koletzko	Entire document
	94	US -	4687702	8/18/1987	Monsees	Entire document
	95	US -	4639388	1/27/1987	Ainsworth	Entire document
	96	US -	4632716	12/30/1986	Smith	Entire document
	97	US -	4625710	12/2/1986	Harada	Entire document
	98	US -	4531511	7/30/1985	Hochberg	Entire document
	99	US -	4530197	7/23/1985	Rainville	Entire document
	100	US -	4529640	7/1/1985	Brown	Entire document
	101	US -	4522860	6/11/1985	Scott	Entire document
	102	US -	4469077	9/4/1984	Wooldridge	Entire document
	103	US -	4453367	6/12/1984	Geyer	Entire document
	104	US -	4450338	5/22/1984	Conn	Entire document
	105	US -	4291732	9/19/1981	Artzer	Entire document
	106	US -	4223053	9/16/1980	Brogan	Entire document
•	107	US -	4194255	3/25/1980	Poppe	Entire document
	108	us -	4130233	12/19/1978	Chisholm	Entire document

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Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document  Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup>	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	L <sub>e</sub>	
Examiner Signature				Date Considered		1	

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	Substitut	e for form 1	449A/PTO	Application Number	10/526,296	
				Filing Date	March 1, 2005	
INF	ORMA	TION DI	SCLOSURE	First Named Inventor	Kenneth D. Ervin	
ST	ATEME	NT BY A	APPLICANT	Art Unit	1725	
(	Use as ma	ny sheets a	s necessary)	Examiner Name	Michael Aboagye	
Shee	t 7	of	7	Attorney Docket No.	00819-03	
				. PATENT DOCUM	ENTS	
Examiner	Cite		ument Number	Publication Date	Name of Patentee or	Pages, Columns, Lines, Where
Initials*	No. 1	Number	-Kind Code <sup>2</sup> (if known)	MM-DD-YYYY	Applicant of Cited Document	Relevant Passages or Relevant Figures Appear
	109	US -	4067956	1/10/1978	Franklin	Entire document
	110	US -	4038440	7/26/1976	King	Entire document
	111	US-	4037751	7/26/1977	Miller	Entire document
	112	US -	4027476	6/7/1997	Schmidt	Entire document
	113	US -	4019540	4/26/1977	Holman	Entire document
	114	US -	4001478	1/4/1977	King	Entire document
	115	US -	3996082	12/7/1976	Leatherman	Entire document
	116	US -	3971072	7/27/1976	Armellino	Entire document
	117	US -	3869778	3/11/1975	Yancey	Entire document
	118	US -	3857217	12/31/1974	Reps	Entire document
	119	US -	3795288	3/5/1974	Pall	Entire document
	120	US -	3783969	1/8/1974	Pall	Entire document
	121	US -	3298402	1/17/1967	Hale	Entire document
	122	US -	2789076	4/16/1957	Frieder	Entire document
	123	US -	2481046	9/6/1949	Scurlock	Entire document
	124	US -	2288104	6/30/1942	Pasquier	Entire document
	125	US -	1154254	9/21/1915	Lachman	Entire document
		US-				Entire document
		1	FOREI	GN PATENT DOCL	IMENTS	
		Foreig	n Patent Document	Publication Date	Name of Patentee or	Pages, Columns, Lines, Where
Examiner Initials*	Cite No. <sup>1</sup>	Country Co	ode <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup>	MM-DD-YYYY	Applicant of Cited Document	Relevant Passages or Relevant Figures Appear
	126	JP	1147294	6/8/1989	Yasunobu	Entire document
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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 1 of

	Complete if Known
Application Number	10/526,296
Filing Date	3/1/2005
First Named Inventor	Kenneth D. Ervin
Art Unit	1725
Examiner Name	Michael Aboagye
Attorney Docket Number	00819-03

		NON PATENT LITERATURE DOCUMENTS	
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	A	WADLEY, "Manufacture of Cellular Metals: An Overview of Concepts for Stochastic and Periodic Materials," MetFoam 2001, (June 18, 2001).	
	В	UNKNOWN, "DUOCEL Foam Metal for Semiconductor Applications," ERG Materials and Aerospace Corporation website,	
	С	UNKNOWN, ERG Materials and Aerospace Corporation website	
	D	UNKNOWN, "Reticulated Vitreous Carbon," ERG Materials and Aerospace Corporation website	
	Е	UNKNOWN, "Properties of DUOCEL Silicon Carbide Foams," ERG Materials and Aerospace Corporation website	
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	I	UNKNOWN, "Micro Heat Exchangers," Institut for Mikrotechnik Mainz GmbH, (February 1, 1998).	
,	J	NAANES, "Grant funds University heat-exchanger project," The Reveille, Louisiana State University, (November 9, 1999).	

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Examiner Signature	Date Considered	
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	(Use as many sheets as necessary)			Art Unit	1725	
	(Use as many sneets as	necessary	" 	Examiner Name	Michael Aboagye	
Sheet	2	of	3	Attorney Docket Number	00819-03	

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	K	UNKNOWN, "Solid Sorption Machines with Heat Pipe Heat Exchangers for Heat Transfer Enhancement and Thermal Control," U.S. Civilian Research & Development Foundation website, Abstract #BE1-107			
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	Q	QUEHEILLALT, ET AL., "Electron beam - directed vapor deposition of multifunctional structures," Mat. Res. Soc. Symp. Proc., Vol. 672, (November 12, 2001).			
	R	SEOK HWAN MOON, ET AL., "Experimental study on the thermal performance of micro-heat pipe with cross-section of polygon," Microelectronics Reliability 44 (2004) 315-321, (February 12, 2003).			
	S	SYPECK, "Multifunctional microtruss laminates: Textile synthesis and properties," Mat. Res. Soc. Symp. Proc. Vol. 672 2001 Materials Research Society			
	T	EVANS, "Lightweight materials and structures," MRS Bulletin Oct 2001			

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	Sheet	: 3	of	3	Attorney Docket Number	00819-03	

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	U	L. J. GIBSON, "Mechanical Behavior of Metallic Foams," Annu. Rev. Matter. Sci., p. 191-227, 2000.				
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